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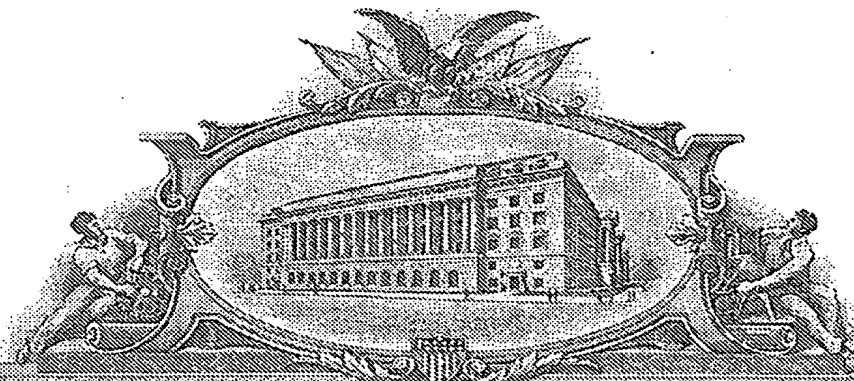
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FILING DATE: November 04, 2004

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THE COUNTRY CODE AND NUMBER OF YOUR PRIORITY APPLICATION, TO BE USED FOR FILING ABROAD UNDER THE PARIS CONVENTION, IS US60/522,763



Certified by

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for Intellectual Property
and Director of the United States
Patent and Trademark Office

APPLICATION DATA SHEET

Electronic Version v14

Stylesheet Version v14.0

Title of Invention	SilentKnight
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Application Type :	provisional, utility
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TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	SilentKnight							
Application Number : Date : First Named Applicant: Harold E. Cutler Confirmation Number: Attorney Docket Number:								
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I , the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>								
<table border="1"><tr><td>Submitted By:</td><td>Elec. Sign.</td><td>Sign. Capacity</td></tr><tr><td>Harold E. Cutler Registered Number: 42357</td><td>/Harold E. Cutler/</td><td>Inventor</td></tr></table>			Submitted By:	Elec. Sign.	Sign. Capacity	Harold E. Cutler Registered Number: 42357	/Harold E. Cutler/	Inventor
Submitted By:	Elec. Sign.	Sign. Capacity						
Harold E. Cutler Registered Number: 42357	/Harold E. Cutler/	Inventor						

Documents being submitted:	Files
us-request	epavecontent-usrequ.xml us-request.dtd us-request.xsl
us-fee-sheet	epavecontent-usfees.xml us-fee-sheet.xsl us-fee-sheet.dtd
application-body	ABX.xml application-body.dtd Image1.tif Image2.tif Image3.tif Image4.tif Image5.tif isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamso.ent isoamsr.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isogr1.ent isogr2.ent isogr3.ent isogr4.ent isolat1.ent isolat2.ent isomfrk.ent isomopf.ent isomscr.ent isonum.ent isopub.ent isotech.ent mathml2.dtd mathml2-qname-1.mod mmlalias.ent mmlextra.ent soextblx.dtd us-application-body.xsl wipo.ent
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abstract-pdf	ABX-abst.pdf
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description-pdf	ABX-desc.pdf
drawings-pdf	ABX-draw.pdf
Comments	

SilentKnight

DESCRIPTION

[Para 1] A mouthpiece similar to that on a snorkel which keeps the unit in place. A vinyl tube extending through the mouthpiece and back to the soft palate is cut on an upward angle from anterior (within the mouth) to posterior to provide diffusion of airflow and reduce intrusiveness of the unit. There is an elastic retaining strap connected on both sides of the unit outside of the mouth and extending around the back of the head to secure the unit during sleep.

[Para 2] The posterior end of the unit is inserted into the mouth with the mouthpiece between the teeth. The vinyl tube extending through the mouthpiece and fit so that the posterior, cut end of the tubing presses into and lifts the soft palate tissue pinning it against the back of the throat. This makes vibration of the soft tissue impossible eliminating snoring, and keeps the soft tissue from closing against the front of the throat which prevents occlusion and apnea. The wearer breathes through the mouth as when properly fit, the nasal passage will be obstructed when the soft tissue is pinned against the back of the throat. The tubing does not enter the throat and does not trigger the gag reflex.

[Para 3] A smaller version using an impression to create a plate that can be affixed to the roof of the mouth with adhesive and having a movable lip, which can be positioned posterior to lift the soft palate tissue, or anterior to be in an inert position which will not affect speech or food consumption. Depending on the adhesive used, it can be inserted in the evening and taken out in the morning, or worn for several days without detection.

What is claimed is:

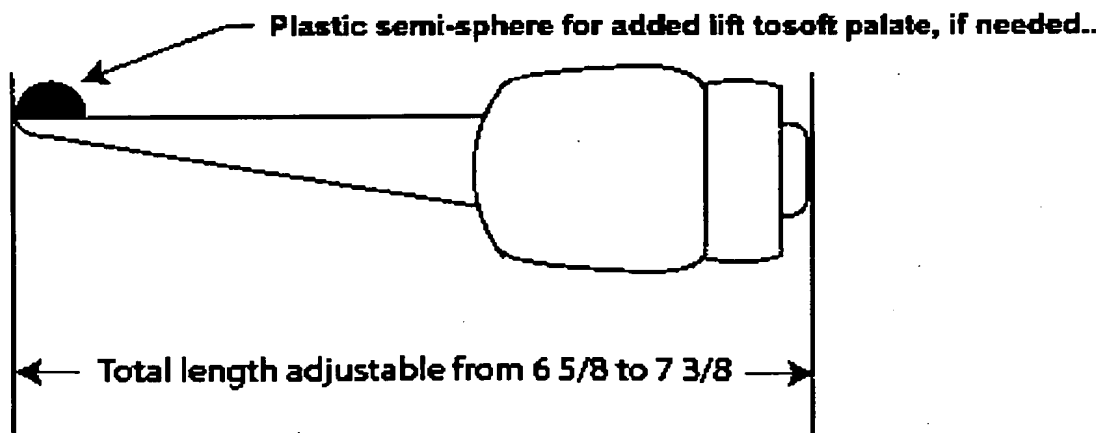
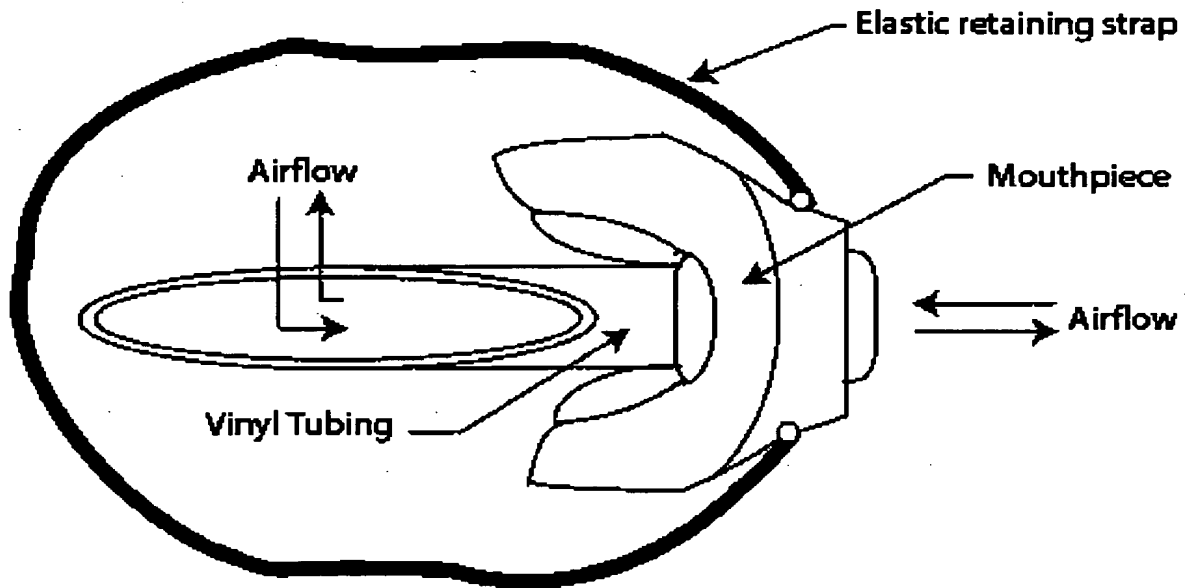
[Claim 1] Gently lifts the soft palate, preventing it from vibrating or closing against the throat tissue while providing a breathing tube for respiration.

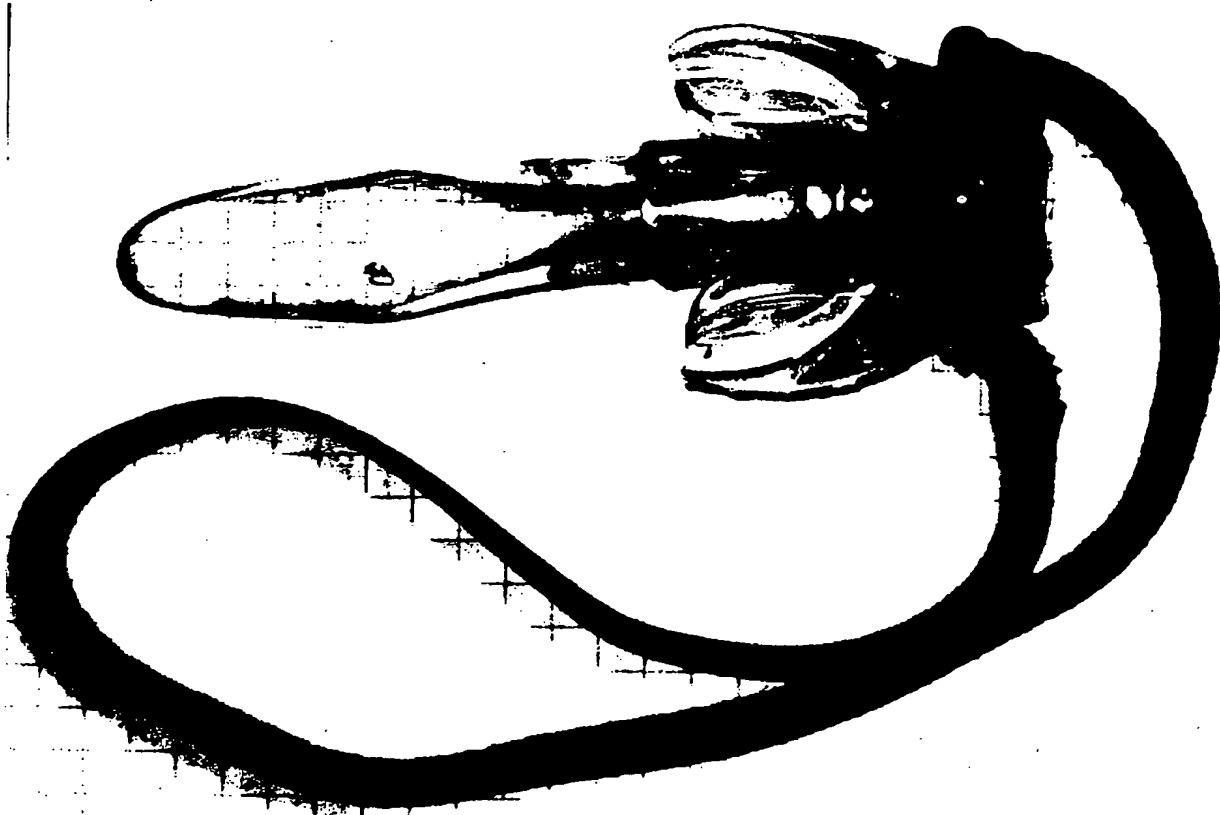
ABSTRACT

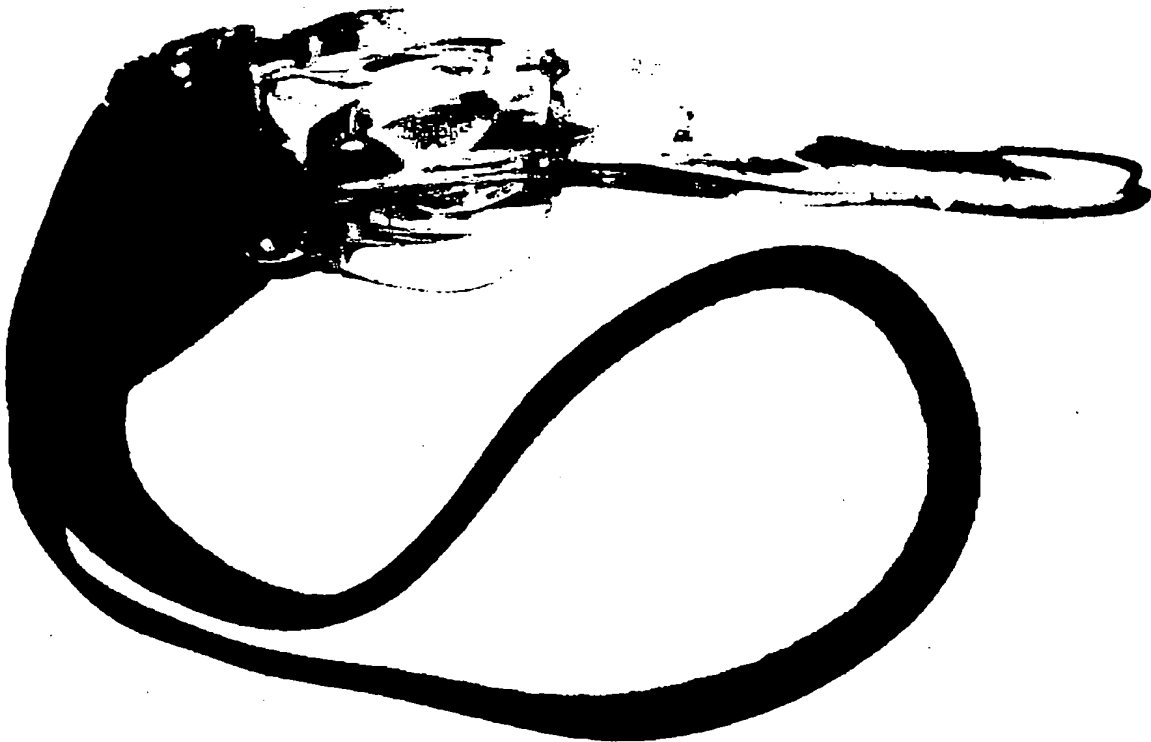
Relieves snoring and apnea caused by upper respiratory occlusion.

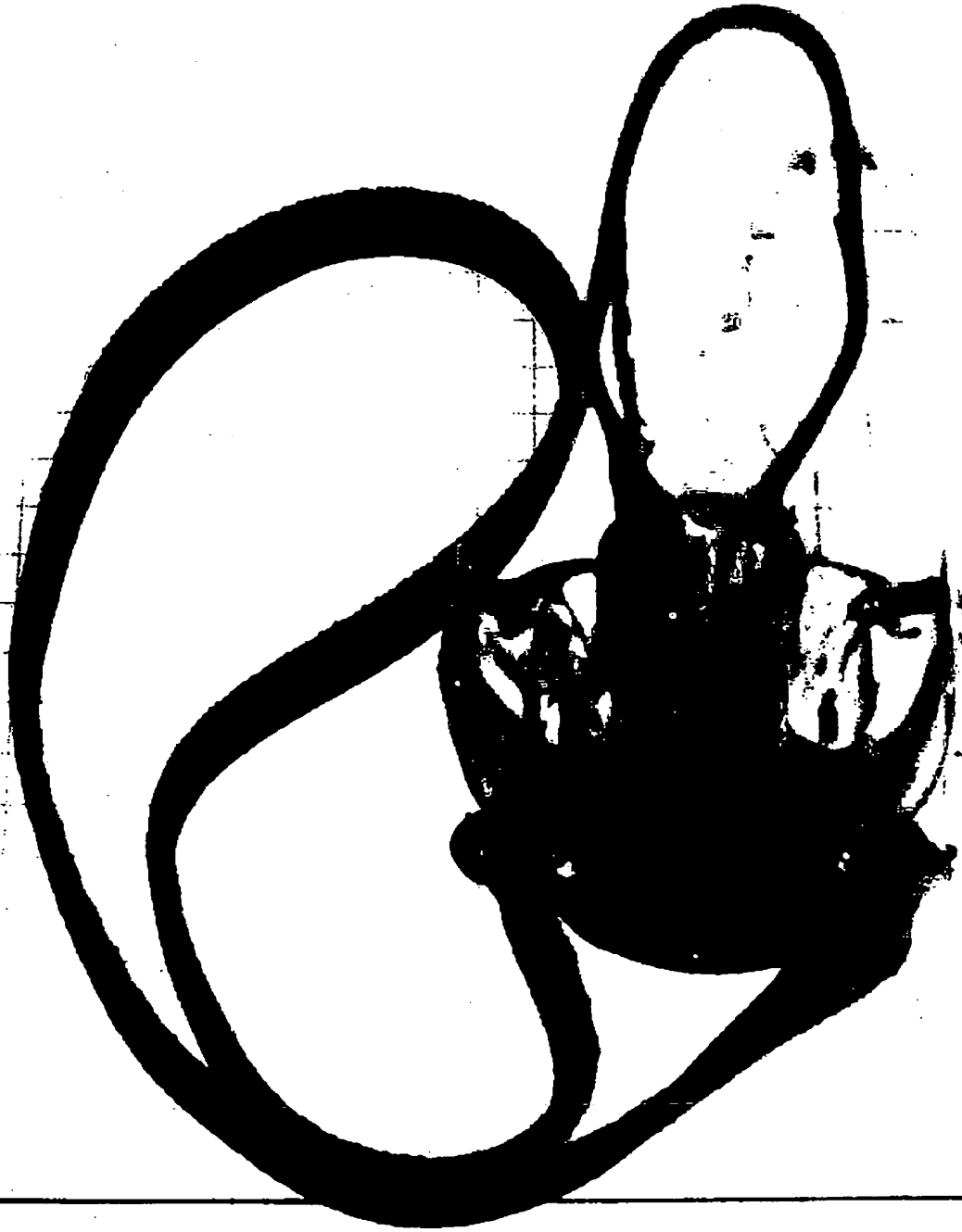
SilentKnight

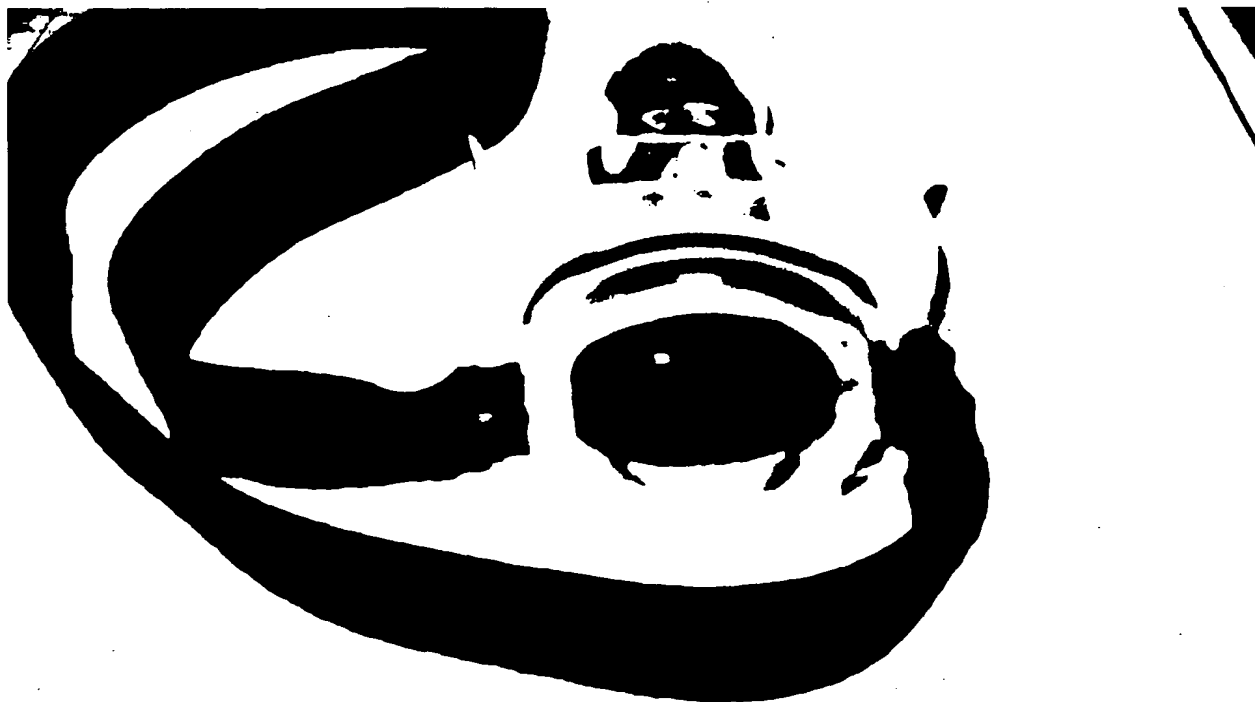
Harry Cutler
March 10, 2004











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